

STATE OF CALIFORNIA

Base Year Modification Request Certification

CIWMB 628 (NEW 7/99)

To request a correction to or substitution for a previously approved base-year amount used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 256-2555 to be connected to your OLA representative.

Mail completed documents to:

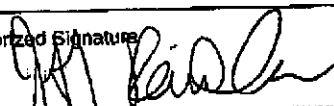
California Integrated Waste Management Board
Office of Local Assistance
PO Box 4025
Sacramento CA 95812-4025

Post-it® Fax Note 7671		Date 6/18	# of pages 7
To Karon Cruz	From Michael Frost		
Co./Dept. CIWMB	Co. Marin County		
Phone #	Phone # 415-499-3725		
Fax # (916) 319-7243	Fax #		

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board, and complete the appropriate sections. All respondents must complete Section I and either Section II A or II B, as noted.

- ☐ 1. Correct our existing Board-approved base-year generation (disposal or diversion) tonnage. (Please complete Section I and Section II A.)
- ☒ 2. Use a recent generation-based study to substitute for our existing Board-approved base-year generation amount, but not officially change our existing Board-approved base year. (Please complete Section I and Section II B.)
- ☐ 3. Use a recent generation-based study to officially change our Board-approved existing base year to a new base year. (Please complete Section I and Section II B.)

Section I: Jurisdiction Information and Certification			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Marin County Hazardous & Solid Waste Joint Powers Authority, Regional Agency		County Marin	
Authorized Signature 		Title Public Works Program Manager	
Type/Print Name of Person Signing Jeff Rawles	Date 05/01/01	Phone (415)499-6548	
Person Completing This Form (please print or type) Michael Frost	Title Waste Management Specialist	Phone (415) 499-3725	
Mailing Address Marin Public Works PO Box 4186	City San Rafael	State CA	ZIP Code 94913

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:

1990

2. Proposed new generation-based study year:

1999

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

In 1993, Marin County implemented a diversion and disposal monitoring system which collects diversion and disposal tonnage data from all of Marin County's franchised haulers, one special district that provides its own garbage collection, Marin's material recovery facility and recycling centers, and Marin's disposal facilities. This monitoring system enables Marin to measure the effectiveness of programs and track diversion/disposal trends over time. The tonnage data collected in calendar year 2000 is consistent with tonnage collected from the previous six years and therefore is considered representative of average annual jurisdiction disposal and diversion.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year

a. 47 %

Diversion rate calculated using new generation-based study

b. 58 %

For existing base year pounds/person/day based on generation

8.841550829

For new generation based study pounds/person/day based on generation

13.13900518

Residential generation 54.4 % Non-Residential Generation 45.6 %

Residential generation 54% % Non-Residential generation 46% %

Population existing generation-based study 230096

Population new generation-based study 245,830

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

Cell not large enough to answer question. See Attachment 1.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Implementation of the following programs: Countywide curbside residential and commercial recycling, seasonal collection of phone books, xmas trees, and clean-up events, material recovery facility construction and expansion, public recycling receptacles, curbside greenwaste collection, greenwaste drop-off, back yard composting program, government procurement, landfill salvage, composting facility, Regional Agency adoption of construction and demolition ordinance requiring a minimum of 50% diversion at construction and demolition projects, landfill woodwaste dropoff for mulch, and MRF woodwaste diversion for mulch and biomass. Additionally, implemented, starting in 1993, diversion and disposal monitoring program that tracks actual tonnages disposed and diverted from all Marin County sources.

7. Disposal Tonnage: (enter values)		127368	106782	234170
		Residential	Non-Residential	Total
Please select the ONE choice below that best explains your disposal data and complete the required tables.				
<input type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.) <input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at http://www.cwmrb.ca.gov/igcentral/forms/rytmndrq.doc) <input checked="" type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.cwmrb.ca.gov/igcentral/forms/rytmndrq.doc)				

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Please use the Board's program types. The program type glossary is online at: http://www.cwmrb.ca.gov/igcentral/parts/codes/reduce.htm	Diversion Activity	Actual Tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
	(A)	(A/Total Generation)				

Residential Activities:

Source Reduction

Backyard composting	4014	0.7%	yard waste		estimation per SRRE
Grass recycling	401	0.1%	grass clippings from lawns		estimation per SRRE

Other Residential source reduction (list each program separately)

Education	2408	0.4%	packaging and disposable products		estimation per SRRE
Variable can rate	1204	0.2%	plastics, paper, yardwaste, glass, aluminum, metals		estimation per SRRE
Award	803	0.1%			estimation per SRRE
Reuse programs	4014	0.7%	cloth diapers, recycled tires, grocery bag reuse, thrift stores, refillable bottles.		estimation per SRRE
Subtotal Residential Source Reduction	12845	2.3%			
Recycling					
Curbside Recycling	53600	9.5%	Residential & Non-residential: paper, glass, metals, plastic		actual tonnage, Marin County Department of Public Works
Buyback centers	66641	11.8%	MRF, buyback & drop-off, paper, glass, metals, plastic, inerts		actual tonnage, Marin County Department of Public Works
Drop-off centers					

Diversion Activity	Actual Tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.clwmb.ca.gov/central/parts/foodss/reduce.htm					
Other Residential recycling <input type="checkbox"/> (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	120241	21.3%			
Composting					
Green waste drop-off					
Curbside green waste	5826	1.0%	residential curbside greenwaste collection for compost		actual tonnage, Marin County Department of Public Works
Christmas Tree Program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	5826	1.0%			
Subtotal Residential Diversion	138912	24.6%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*					
Other non-Residential source reduction (list each program separately)					
See Section 9					
See Section 9					
See Section 9					
Road Crew	15471	2.7%	metals, greenwaste(mulch), concrete, dirt, asphalt	See Attachment 1	actual tonnage, Marin County Department of Public Works
Tipping Fee Differential	1606	0.3%	Demolition Debris and Greenwaste		estimation per SRRE
Government Procurement	1204	0.2%	office paper, products with recycled content		estimation per SRRE
Food Waste	401	0.1%	food waste		estimation per SRRE
Enter program name					
Subtotal Non-Residential Source Reduction	18692	3.3%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
<p>Please use the Board's program types. The program type glossary is online at: http://www.clwmb.ca.gov/central/parts/codes/reduce.htm</p>	(A)	(A/Total Generation)			

Recycling

Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other non-Residential recycling (List each program separately)					

Landfill Recycling	131203	23.3%	Salvage at Redwood Landfill: metals, dirt, rock, concrete, asphalt		actual tonnage, Marin County Department of Public Works
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	131203	23.3%			

Composting

Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other non-Residential composting (List each program separately)					

Landfill Greenwaste drop-off	6239	1.1%	Self-haul greenwaste drop-off for compost		actual tonnage, Marin County Department of Public Works
MRF Compost	3331	0.6%	MRF greenwaste composted		actual tonnage, Marin County Department of Public Works
			MRF woodwaste for Biomass		actual tonnage, Marin County Department of Public Works
Enter program name					

Subtotal Non-Residential Composting	9570	1.7%			
-------------------------------------	------	------	--	--	--

Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities ADC	159455	28.3%			
	31502	5.6%	residential curbside, MRF, landfill drop-off: greenwaste and biosolids used as ADC.		actual tonnage, Marin County Department of Public Works

Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	31502	5.6%			
Total...s/Non-Res Source Reduction Tons	31527	5.6%			

Total Diversion Tons	329869	58.5%			
----------------------	--------	-------	--	--	--

Total Disposal Tons from Sec. 7	234170	41.5%			
---------------------------------	--------	-------	--	--	--

Total Generation Tons (Div+Dis)	564039				
---------------------------------	--------	--	--	--	--

Diversion Rate	58%				
----------------	-----	--	--	--	--

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	MRF Diversion of Inerts	1986	73550
Inert Solids ▼	Resident/Commercial debris box inerts delivered to MRF.	1986	6406
Inert Solids ▼	Landfill Salvage	1996	129998
Scrap Metal ▼	Landfill Salvage	1996	1205
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

7/96 & 10/00 (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (**Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Base Year Modification Request Certification

Section II, Question 5:

In 1993, Marin County implemented a diversion and disposal monitoring system which collects diversion and disposal tonnage data from all of Marin County's franchised haulers, one special district that provides its own garbage collection, Marin's material recovery facility and recycling centers, and Marin's disposal facilities. The data collected in this monitoring system has been useful in measuring the effectiveness of diversion program and indicating areas of additional need by providing the County and its cities with hard data for all programs.

In 1997, the California Integrated Waste Management Board adopted the recommendations of their Measurement Accuracy Issues Working Group which included an alternative diversion reporting option referred to as "an Annual generation-based analysis". This Generation Based Analysis method has enabled Marin to utilize diversion and disposal tonnage data to report an actual diversion rate instead of a disposal derived rate that is based on 1990 generation estimates.

Section II, Question 8:

Other Non-Residential Source Reduction, Road Crew, Conversion factors used and source.

The following conversion factors were supplied by Redwood Landfill and were utilized by the Marin County Hazardous and Solid Waste Joint Powers Authority to convert Marin's Road Crew reported cubic yards to tons.

Conversion Factors

Material	Ratio (tons/yard ³)
Dirt	1.20
Concrete	0.93
Asphalt	0.69
Wood Chips	0.25
Mixed debris	1.0

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:


California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☒ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
- ☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Marin County Hazardous and Solid Waste JPA		County Marin	
Authorized Signature 		Title Public Works Program Manager	
Type/Print Name of Person Signing Jeff Rawles		Date 8/7/01	Phone () Include Area Code 415-499-6548
Person Completing This Form (please print or type) Michael Frost		Title Waste Management Specialist	
Affiliation: Staff to the Marin Hazardous and Solid Waste JPA			
Mailing Address PO Box 4186		City San Rafael	State CA
		ZIP Code 94913	
E-mail address mfrost@marin.org			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:

1990

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

In 1993, Marin County implemented a diversion and disposal monitoring system which collects diversion and disposal tonnage data from all of Marin County's franchised haulers, one special district that provides its own garbage collection, Marin's material recovery facility and recycling centers, and Marin's disposal facilities. This monitoring system enables Marin to measure the effectiveness of programs and track diversion/disposal trends over time. The tonnage data collected in calendar year 2000 is consistent with tonnage collected from the previous six years and therefore is considered representative of average annual jurisdiction disposal and diversion.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year

a. 47 %

Diversion rate calculated using new generation-based study

b. 63 %

For existing base year pounds/person/day based on generation

8.841550829

For new generation based study pounds/person/day based on generation

13.90216328

Residential generation 54.4 % Non-Residential Generation 45.6 %

Residential generation 54% % Non-Residential generation 46% %

Population existing generation-based study 230096

Population new generation-based study 247289

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

Cell not large enough to answer question. See Attachment 1.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Implementation of the following programs: Countywide curbside residential and commercial recycling, seasonal collection of phone books, xmas trees, and clean-up events, material recovery facility construction and expansion, public recycling receptacles, curbside greenwaste collection, greenwaste drop-off, back yard composting program, government procurement, landfill salvage, composting facility, Regional Agency adoption of construction and demolition ordinance requiring a minimum of 50% diversion at construction and demolition projects, landfill woodwaste dropoff for mulch, and MRF woodwaste diversion for mulch and biomass. Additionally, implemented, starting in 1993, diversion and disposal monitoring program that tracks actual tonnages disposed and diverted from all Marin County sources.

7. Disposal Tonnage: (enter values)

118628 Residential	99437 Non-Residential	218063 Total
-----------------------	--------------------------	-----------------

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwm.ca.gov/igcentral/forms/rynmndrq.doc>)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwm.ca.gov/igcentral/forms/rynmndrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Residential Activities:					
Source Reduction					
Backyard composting	4014	0.6%	yard waste		estimation per SRRE
Grasscycling	401	0.1%	grass clippings from lawns		estimation per SRRE
Other Residential source reduction (list each program separately)					
Education	2408	0.4%	packaging and disposable products		estimation per SRRE
Variable can rate	1204	0.2%	plastics, paper, yardwaste, glass, aluminum, metals.		estimation per SRRE
Award	803	0.1%	plastics, paper, yardwaste, glass, aluminum, metals.		estimation per SRRE
Raise programs	4014	0.6%	cloth diapers, recapped tires, grocery bag reuse, thrift stores, refillable bottles.		estimation per SRRE
Subtotal Residential Source Reduction	12845	2.1%			
Recycling					
Curbside Recycling	57640	9.2%	Residential & Non-residential: paper, glass, metals, plastic		actual tonnage, Marin County Department of Public Works
Buyback centers	79894	12.8%	MRF, buyback & drop-off: paper, glass, metals, plastic, inerts		actual tonnage, Marin County Department of Public Works
Drop-off centers					

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.clwmb.ca.gov/igcentral/parts/codes/reduce.htm					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	137634	22.1%			
Green waste drop-off					
Curbside green waste	7633	1.2%	residential curbside greenwaste collection for compost		actual tonnage, Marin County Department of Public Works
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	7633	1.2%			
Subtotal Residential Diversion	158112	25.4%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*					
Other non-Residential source reduction (list each program separately)					
Road Crew	4935	0.8%	metals, greenwaste(mulch), concrete, dirt, asphalt	See Attachment 1	actual tonnage, Marin County Department of Public Works
Tipping Fee Differential	1606	0.3%	Demolition Debris and Greenwaste		estimation per SRRE
Government Procurement	1204	0.2%	office paper, products with recycled content		estimation per SRRE
Food Waste	401	0.1%	food waste		estimation per SRRE
Enter program name					
Subtotal Non-Residential Source Reduction	8146	1.3%			

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Recycling					
Non-Residential Waste Audits*					
Other non-Residential recycling (list each program separately)					
Landfill Recycling	139081	22.3%	Salvage at Redwood Landfill: metals, dirt, rock, concrete, asphalt		actual tonnage, Marin County Department of Public Works
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	139081	22.3%			
Composting					
Non-Residential Waste Audits*					
Other non-Residential composting (list each program separately)					
Landfill Greenwaste drop-off	1250	0.2%	Self-haul greenwaste drop-off for compost		actual tonnage, Marin County Department of Public Works
MRF Compost	1863	0.3%	MRF greenwaste composted		actual tonnage, Marin County Department of Public Works
Biomass	62676	10.0%	MRF woodwaste for Biomass		actual tonnage, Marin County Department of Public Works
Enter program name					
Subtotal Non-Residential Composting	65789	10.5%			
Subtotal Non-Residential Diversion Residential/Non-Residential	213016	34.2%			
Diversion Activities					
ADC	34524	5.5%	residential curbside, MRF, landfill drop-off: greenwaste and biosolids used as ADC.		actual tonnage, Marin County Department of Public Works
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	34524	5.5%			
Total Res/Non-Res Source Reduction Tons	20991	3.4%			
Total Diversion Tons	405652	65.0%			
Total Disposal Tons from Sec.7	218083	35.0%			
Total Generation Tons (Div+Dis)	623716				
Diversion Rate					
	65%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation In Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Totals								

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

No waste audits were conducted. All non-source reduction tonnage claimed is from actual tonnage as reported by Marin County haulers and facility operators.

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	MRF Diversion of Inerts	1986	73550
Inert Solids ▼	Resident/Commercial debris box inerts delivered to MRF.	1986	8433
Inert Solids ▼	Landfill Salvage	1996	137851
Scrap Metal ▼	Landfill Salvage	1996	1230
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

7/96 & 10/00 (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (**Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Base Year Modification Request Certification

Section II, Question 5:

In 1993, Marin County implemented a diversion and disposal monitoring system which collects diversion and disposal tonnage data from all of Marin County's franchised haulers, one special district that provides its own garbage collection, Marin's material recovery facility and recycling centers, and Marin's disposal facilities. The data collected in this monitoring system has been useful in measuring the effectiveness of diversion program and indicating areas of additional need by providing the County and its cities with hard data for all programs.

In 1997, the California Integrated Waste Management Board adopted the recommendations of their Measurement Accuracy Issues Working Group which included an alternative diversion reporting option referred to as "an Annual generation-based analysis". This Generation Based Analysis method has enabled Marin to utilize diversion and disposal tonnage data to report an actual diversion rate instead of a disposal derived rate that is based on 1990 generation estimates.

Section II, Question 8:

Other Non-Residential Source Reduction, Road Crew, Conversion factors used and source.

The following conversion factors were supplied by Redwood Landfill and were utilized by the Marin County Hazardous and Solid Waste Joint Powers Authority to convert Marin's Road Crew reported cubic yards to tons.

Conversion Factors

Material	Ratio (tons/yard ³)
Dirt	1.20
Concrete	0.93
Asphalt	0.69
Wood Chips	0.25
Mixed debris	1.0